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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/524,385	02/14/2005	Jae-Hyuk Oh	60469-198; OT-5126	6051
26584	7590	12/06/2005	EXAMINER	
OTIS ELEVATOR COMPANY INTELLECTUAL PROPERTY DEPARTMENT 10 FARM SPRINGS FARMINGTON, CT 06032			SALATA, ANTHONY J	
			ART UNIT	PAPER NUMBER
			2837	

DATE MAILED: 12/06/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/524,385

Applicant(s)

OH ET AL.

Examiner

Jonathan Salata

Art Unit

2837

*Phy*

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,3-9,11-13,15 and 16 is/are rejected.
- 7) ☒ Claim(s) 2,10 and 14 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 February 2005 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  - ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 2-14-05.
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date: \_\_\_\_.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: \_\_\_\_.

Art Unit: 2837



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Paper No:12022005  
Application No:10/524385  
Filing Date: February 14,2005

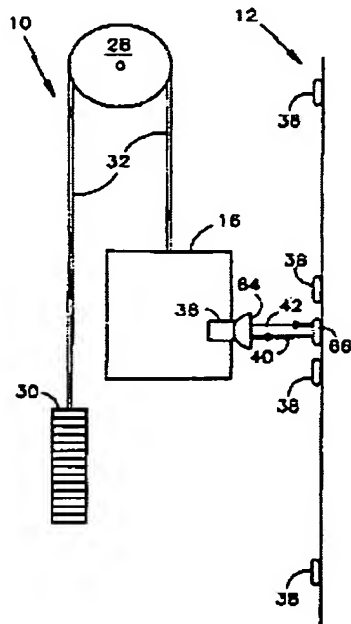
1. The drawings are objected to because the blank rectangular boxes and/or merely numbered boxes of figure 1 must be labeled. Conventional features disclosed in the description and claims, where their detailed illustration is not essential for a proper understanding of the invention, should be illustrated in the form of a graphical drawing symbol or a labeled representation (e.g., a labeled rectangular box). see 37 CFR 1.83(a). It is further pointed out that merely numbering the boxes is not considered an appropriate label. Structural elements which can be understood by conventional graphical drawing elements are not required to be labeled. Electronic elements enclosed in a "black box" require consulting the text of the specification and thus require labeling. If the box is too small to label, an appropriate label with an arrow pointing towards the box is acceptable. Correction is required.

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

3. Claims 1,3,4,5,6,13,15,16 are rejected under 35 U.S.C. 102(b) as being anticipated by Koopman Jr et al (5682024).

Koopman Jr et al teaches in figures 1-5, an elevator position determination system.



1,7,13) Elevator cab 16 in hoistway (not numbered). Transceiver 36, multiple transponders 38.

Cab position is determined by the transceiver and transponders.

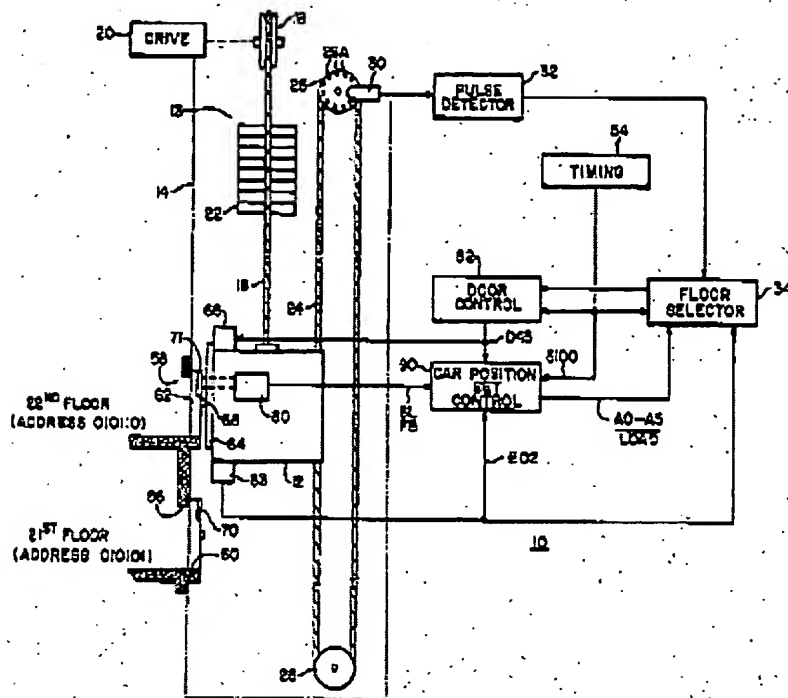
3,4,16) Col. 3, lines 26-35. Energy source.

5,15) Unique identifier, col. Col. 3, lines 30-35, col. 5, line 50.

6) Installation and map memory, col. 5, lines 10-24.

4. Claims 7,8 are rejected under 35 U.S.C. 102(b) as being anticipated by Zolnerovich Jr et al (4134476).

Zolnerovich Jr et al teaches in figures 1-4, an elevator position detection system.



- 7) Cab 12 in hoistway (not numbered). Reader 80 (portion) mounted on cab. Cards 70,71.
- 8) Cards 70,71 mounted on door frames (see figure 2.

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 9,11,12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Zolnerovich Jr et al and Koopman Jr et al.

Zolnerovich et al does not illustrate the power source.

Koopman Jr et al teaches that is advantageous to provide a passive power source and that such elements are known in the art. Col. 3, lines 55-62.

Art Unit: 2837

Thus, to utilize known elements for the transmitting/detecting elements would have been an obvious engineering design choice to one of ordinary skill in the art.

7. Claims 2,10,14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The use of ultrasound or radio/ultrasound transmission is not shown or reasonably suggested by the cited art of record.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Blackaby, Crenella et al., Motoyama et al., Gozzo et al and Redden are cited to illustrate similar wireless position/communication systems for elevators

A shortened statutory period for response to this action is set to expire 3 months from the date of this letter.

Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

Any inquiry of a **general nature** should be directed to the **Group receptionist** whose telephone number is (571) 272-2800.

**Information regarding the STATUS of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either private PAIR or public PARI. Status information for unpublished applications is available through Private PAIR ONLY. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Any questions on access to PAIR, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).**

Papers related to this application may be submitted to Group 2800 by facsimile transmission. Papers should be faxed to Group 2800 via the PTO 2800 Fax Center. The faxing of such papers must conform with the notice published in the Official Gazette, 1096 O.G. 30 (November 15, 1989). The Fax Center number is (571) 273-8300.

For assistance in **Patent procedure, fees or general Patent questions** calls should be directed to the **Inventors Assistance Center (IAC)** whose telephone number is 800-PTO-9199 or 800-786-9199. Assistance is also available on the Internet at [www.uspto.gov](http://www.uspto.gov).

Art Unit: 2837

**For requesting copies of Cited Art, Office Actions or the like, or General Problem solving, calls should be directed to the TC 2800 Customer Service Office whose telephone number is 571-272-2800 or by fax at 571-273-8300.**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Jonathan Salata** whose telephone number is **(571) 272-2073**.

The examiner does not have as detailed access as the previously listed numbers with regard to status or general problem solving. The examiner can normally be reached on Monday through Thursday from 7:30 am to 2:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Martin, can be reached on (571) 272-2107.

ajs

December 2, 2005

  
**JONATHAN SALATA  
PRIMARY EXAMINER  
ART UNIT 2837**